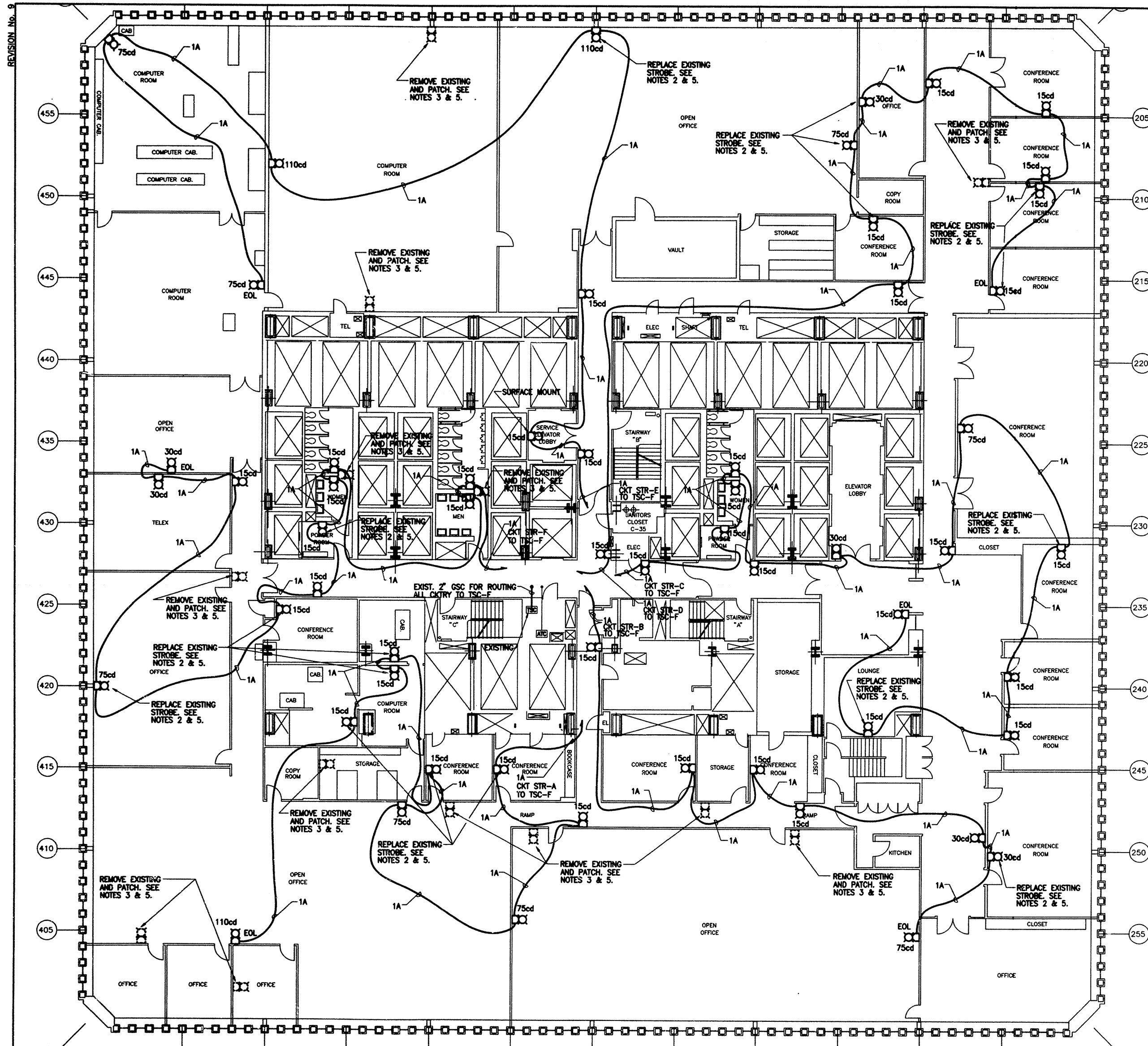


REVISION No. 9

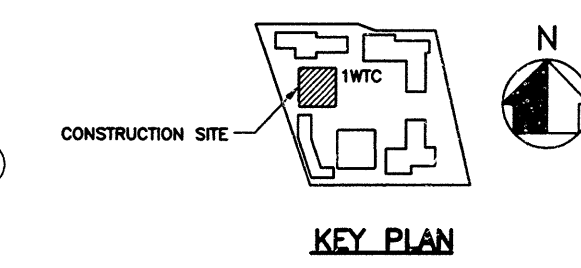


NOTES:

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS, SEE DWG. E-3.
2. REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE, AND WIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION BOX. SEE INSTALLATION DETAIL "B" ON DWG. E-2.
3. ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF THE ENGINEER. PATCH WALL TO MATCH EXISTING WALL FINISH.
4. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
5. DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT (AMPS.)	CIRCUIT LENGTH (Ft.)
QUANTITY OF STROBES PER CIRCUIT	STR-A	6	0	2	1	0.917	339
	STR-B	4	2	1	0	0.617	240
	STR-C	11	1	1	0	0.958	417
	STR-D	8	1	1	0	0.769	347
	STR-E	3	0	2	2	0.937	421
	STR-F	8	2	1	0	0.869	359
	GRAND TOTAL					5.067	2123



WORLD TRADE CENTER
 ENGINEERING PROGRAM MANAGER
 WORLD TRADE CENTER
 ELECTRICAL ENGINEER

1 8/23/99 AS-BID
 No. Date Revision Approved

ENGINEERING DEPARTMENT
 DESIGN DIVISION

WORLD TRADE CENTER

ELECTRICAL
 Title
 FIRE ALARM SYSTEM
 DEVICE UPGRADE
 PHASE III
 1 WORLD TRADE CENTER
 CONTRACT NO. 3
 49th FLOOR
 STROBE
 INSTALLATION AND
 REMOVAL PLAN

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN E. KOTSKI A.S.
 Designed by Drawn by Checked by

AUGUST 9, 1999
 Date

WTC-861.176 E-049-4
 Contract Number Drawing Number